The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A clocked inverter comprising:
- a first transistor and a second transistor connected in series, [[and]]
- a compensation circuit comprising a third transistor and a fourth transistor connected in series, and
 - a fifth transistor and a sixth transistor connected in series, wherein:

gates of the third transistor and the fourth transistor are connected to each other, drains of the third transistor and the fourth transistor are each connected to a gate of the first transistor,

sources of the first transistor and the fourth transistor are each electrically connected to a first power source,

a source of the second transistor is sources of the second transistor and the sixth transistor are electrically connected to a second power source, [[and]]

gates of the fifth transistor and the sixth transistor are connected to each other,

drains of the fifth transistor and the sixth transistor are each connected to a gate
of the second transistor,

an amplitude of a <u>first</u> signal inputted to a source of the third transistor is smaller than a potential difference between the first power source and the second power source, <u>and</u>

an amplitude of a second signal inputted to a source of the fifth transistor is smaller than the potential difference between the first power source and the second power source.

2. (Currently Amended) A clocked inverter according to claim 1, wherein:

_

the first power source is a high potential power source;

the second power source is a low potential power source;

the first transistor and transistor, the fourth transistor transistor, and the fifth transistor are each a P-type transistor; and

the second transistor and transistor, the third transistor transistor, and the sixth transistor are each an N-type transistor.

3. (Currently Amended) A clocked inverter according to claim 1, wherein:

the first power source is a low potential power source;

the second power source is a high potential power source;

the first transistor and transistor, the fourth transistor transistor, and the fifth transistor are each an N-type transistor; and

the second transistor and transistor, the third transistor transistor, and the sixth transistor are each a P-type transistor.

- 4. (Original) A clocked inverter according to claim 1, wherein the third transistor is replaced with an analog switch.
 - 5. (Currently Amended) A clocked inverter comprising:

first to third transistors connected in series, and

a compensation circuit comprising a fourth transistor and a fifth transistor connected in series, wherein:

gates of the fourth transistor and the fifth transistor are connected to each other;

drains of the fourth transistor and the fifth transistor are each connected to a gate of the first transistor;

sources of the first transistor and the fifth transistor are each electrically connected to a first power source;

a source of the third transistor is electrically connected to a second power source; and

an amplitude of a signal inputted to a source of the fourth transistor is smaller than a potential difference between the first power source and the second power source.

- 6. (Original) A clocked inverter according to claim 5, wherein: the first power source is a high potential power source; the second power source is a low potential power source; the first transistor and the fifth transistor are each a P-type transistor; and the second to fourth transistors are each an N-type transistor.
- 7. (Original) A clocked inverter according to claim 5, wherein: the first power source is a high potential power source; the second power source is a low potential power source; the first transistor, the second transistor, and the fifth transistor are each a P-type transistor; and

the third transistor and the fourth transistor are each an N-type transistor.

- 8. (Original) A clocked inverter according to claim 5, wherein: the first power source is a low potential power source; the second power source is a high potential power source; the first transistor and the fifth transistor are each an N-type transistor; and the second to fourth transistors are each a P-type transistor.
- 9. (Original) A clocked inverter according to claim 5, wherein: the first power source is a low potential power source; the second power source is a high potential power source;

the first transistor, the second transistor, and the fifth transistor are each an Ntype transistor; and

the third transistor and the fourth transistor are each a P-type transistor.

- 10. (Original) A clocked inverter according to claim 5, wherein the fourth transistor is replaced with an analog switch.
 - 11. (Currently Amended) A NAND comprising:
 - a first transistor and a second transistor connected in parallel series;
- a third transistor connected to the first transistor and the second transistor in series; and
- a compensation circuit including a fourth transistor and a fifth transistor connected in series, wherein:

gates of the fourth transistor and the fifth transistor are connected to each other;

drains of the fourth transistor and the fifth transistor are each connected to a gate of the third transistor;

sources of the first transistor and the second transistor are each electrically connected to a [[high]] first potential power source;

sources of the third transistor and the fifth transistor are each electrically connected to a [[low]] second potential power source; and

an amplitude of a signal inputted to a source of the fourth transistor and each of gates of the first transistor, the second transistor, the fourth transistor, and the fifth transistor is smaller than a potential difference between the [[high]] first potential power source and the [[low]] second potential power source.

12. (Currently Amended) A NAND according to claim 11, wherein: the first power source is a high potential power source; the second power source is a low potential power source; and

the first transistor, the second transistor, and the fourth transistor are each a Ptype transistor, and the third transistor and the fifth transistor are each an N-type transistor.

- 13. (Original) A NAND according to claim 11, wherein the fourth transistor is replaced with an analog switch.
 - 14. (Currently Amended) A NOR comprising:
 - a first transistor and a second transistor connected in parallel series;
- a third transistor connected to the first transistor and the second transistor in series; and
- a compensation circuit including a fourth transistor and a fifth transistor connected in series, wherein:

gates of the fourth transistor and the fifth transistor are connected to each other;

drains of the fourth transistor and the fifth transistor are each connected to a gate of the third transistor;

sources of the first transistor and the second transistor are each electrically connected to a [[low]] first potential power source;

sources of the third transistor and the fifth transistor are each electrically connected to a [[high]] second potential power source; and

an amplitude of a signal inputted to each of gates of the first transistor, the second transistor, the fourth transistor, and the fifth transistor and to a source of the fourth transistor is smaller than a potential difference between the [[high]] first potential power source and the [[low]] second potential power source.

15. (Currently Amended) A NOR according to claim 14, wherein: the first power source is a low potential power source; the second power source is a high potential power source; and

the first transistor, the second transistor, and the fourth transistor are each an Ntype transistor, and the third transistor and the fifth transistor are each a P-type transistor.

- 16. (Original) A NOR according to claim 14, wherein: the fourth transistor is replaced with an analog switch.
 - 17. (Currently Amended) A shift register comprising:
- a clocked inverter including a first transistor to a third transistor connected in series; and
- a compensation circuit including a fourth transistor and a fifth transistor connected in series, wherein:

sources of the first transistor and the fifth transistor are each electrically connected to a first power source;

- a source of the third transistor is electrically connected to a second power source;
- a gate of the first transistor is connected to an output terminal of the compensation circuit drains of the fourth transistor and the fifth transistor;
- a pulse generated at an (n-1)th stage is inputted to an input terminal of the compensation circuit gates of the fourth transistor and the fifth transistor arranged at an n-th stage; and
- a pulse or a clock signal generated at an (n-2)th stage is inputted to a source of the fourth transistor arranged at the n-th stage.
 - 18. (Original) A shift register according to claim 17, wherein:

the first power source is a low potential power source;

the second power source is a high potential power source;

the first transistor and the fifth transistor are each an N-type transistor; and

the second to fourth transistors are each a P-type transistor.

19. (Original) A shift register according to claim 17, wherein: the first power source is a high potential power source; the second power source is a low potential power source; the first transistor and the fifth transistor are each a P-type transistor; and the second to fourth transistors are each an N-type transistor.

- 20. (Original) A shift register according to claim 17, wherein the fourth transistor is replaced with an analog switch.
- 21. (Original) A shift register according to claim 17, wherein the second transistor is eliminated.
 - 22. (Currently Amended) A shift register comprising:

a plurality of stages each of which includes: a [[first]] clocked inverter including a first transistor and a second transistor connected in series; an inverter that forms a loop with the first clocked inverter; and a compensation circuit including an N-type transistor an inverter; and a third transistor and an analog switch, wherein:

the first transistor is a P-type transistor and transistor.

the second transistor [[is]] and the third transistor are each an N-type transistor;

a gate of the first transistor is connected to an output terminal of the inverter and a source of the first transistor is electrically connected to a high potential power source;

a gate of the second transistor is connected to a clock signal line through a drain of the N-type transistor and the analog switch and a source of the second transistor is connected to a low potential power source; and

the analog switch is controlled by input into and output from connected to the output terminal of the inverter and an input terminal of the inverter.

23. (Currently Amended) A shift register comprising:

a plurality of stages each of which includes: a [[first]] clocked inverter including a first transistor and a second transistor connected in series; an inverter that forms a loop with the first clocked inverter; and a compensation circuit including a P-type transistor an inverter; and a third transistor and an analog switch, wherein:

the first transistor is an N-type transistor and transistor,

the second transistor [[is]] and the third transistor are each a P-type transistor;

a gate of the first transistor is connected to an output terminal of the inverter and a source of the first transistor is electrically connected to a low potential power source;

a gate of the second transistor is connected to a clock signal line through a drain of the P-type transistor and the analog switch and a source of the second transistor is connected to a high potential power source; and

the analog switch is controlled by input into and output from connected to the output terminal of the inverter and an input terminal of the inverter.

- 24. (Currently Amended) A clocked inverter comprising:
- a first transistor and a second transistor connected in series, [[and]]
- a compensation circuit comprising a third transistor and a fourth transistor connected in series, and
 - a fifth transistor and a sixth transistor connected in series, wherein:
 - gates of the third transistor and the fourth transistor are connected to each other,
- drains of the third transistor and the fourth transistor are each connected to a gate of the first transistor,

sources of the first transistor and the fourth transistor are each electrically connected to a first power source,

a source of the second transistor is sources of the second transistor and the sixth transistor are electrically connected to a second power source,

- 10 -

gates of the fifth transistor and the sixth transistor are connected to each other, drains of the fifth transistor and the sixth transistor are each connected to a gate of the second transistor,

a first signal is inputted to a source of the third transistor, and a second signal is inputted to a source of the fifth transistor.

- 25. (Currently Amended) A shift register comprising:
- a first compensation circuit inputted with a first signal;
- a second compensation circuit inputted with a second signal;
- a first clocked inverter electrically connected with the first and second compensation circuits;
- a third compensation circuit comprising a first analog switch, inputted with the first signal;
- a fourth compensation circuit comprising a second analog switch, inputted with the second signal; and
- a second clocked inverter electrically connected with the third and fourth compensation circuits.
- 26. (New) A clocked inverter according to claim 1, wherein the fifth transistor is replaced with an analog switch.
 - 27. (New) A shift register according to claim 17, wherein:

the first power source is a low potential power source;

the second power source is a high potential power source;

the first transistor, the second transistor, and the fifth transistor are each an Ntype transistor; and

the third transistor and the fourth transistor are each a P-type transistor.

28. (New) A shift register according to claim 17, wherein:

the first power source is a high potential power source;

the second power source is a low potential power source;

the first transistor, the second transistor, and the fifth transistor are each a P-type transistor; and

the third transistor and the fourth transistor are each an N-type transistor.

- 29. (New) A shift register according to claim 22, wherein:
- a gate of the third transistor is connected to the input terminal of the inverter,
- a source of the third transistor is connected to the low potential power source,

and

- a drain of the third transistor is connected to the gate of the second transistor.
- 30. (New) A shift register according to claim 23, wherein:
- a gate of the third transistor is connected to the input terminal of the inverter,
- a source of the third transistor is connected to the high potential power source,

and

- a drain of the third transistor is connected to the gate of the second transistor.
- 31. (New) A shift register according to claim 25, wherein:

the first clocked inverter comprises a first transistor and a second transistor in series,

the first circuit comprises a third transistor and a fourth transistor in series,
the second circuit comprises a fifth transistor and a sixth transistor in series, and
the second clocked inverter comprises a seventh transistor and an eighth
transistor in series.

32. (New) A shift register according to claim 25, further comprising an inverter.